**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | 10/580881 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 11:52 |
| L2 | 7 | (("4371883") or ("4652894") or ("4806995") or ("4871236") or ("5161149") or ("20030001178") or ("20040108514")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2010/03/25 11:53 |
| L3 | 5539 | ((257/40,E51.02) or (438/99)).CCLS. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2010/03/25 13:08 |
| L4 | 49683 | organic with (sulfur selenium tellurium) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:10 |
| L5 | 46972 | L4 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:19 |
| L6 | 32 | L5 and (nonvolatile adj memory) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:19 |
| L7 | 326 | (TCNQ DDQ) with complex with (electrode metal conductor) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:34 |
| L8 | 320 | L7 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:34 |
| L9 | 557 | (electron adj acceptor) same (charge adj transfer adj complex) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:35 |
| L10 | 535 | L9 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:35 |
| L11 | 27 | L8 and L10 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 13:36 |

| L12 | 10 | (nonvolatile adj memory) and (organic with (electron adj acceptor)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 15:01 |
|-----|-----|-----|-----|-----|-----|-----|
| L13 | 8 | L12 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 15:02 |
| L14 | 8 | (("7491968") or ("20060175653") or ("20050145995") or ("20050227382") or ("5677545") or ("20050274943") or ("6162532") or ("20070126001")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2010/03/25 15:29 |
| L15 | 216 | (TCNQ DDQ) with (electron adj acceptor) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 19:27 |
| L16 | 202 | L15 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 19:27 |
| L17 | 42 | ((copper adj sulfide) CuS) with (electron adj acceptor) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 19:31 |
| L18 | 42 | L17 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 19:31 |
| L19 | 5 | ("20040012035" \| "4652894" \| "5009958" \| "5185208" \| "5272359").PN. OR ("6815733").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 19:33 |
| L20 | 33 | ratio with on with off | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 19:42 |
| L21 | 83 | (TCNQ with (copper Cu)) same (thermal heat$4 anneal$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 19:52 |
| L22 | 7 | (TCNQ with (copper Cu)) same (rins$4 wash$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 19:52 |
| L23 | 79 | (L21 L22) and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 19:53 |
| L24 | 5 | L22 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:06 |

| L25 | 1 | TCNQ with (carrier adj gas) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 20:13 |
|---|---|---|---|---|---|---|
| L26 | 128 | (TCNQ with (copper Cu)) same (diethylamine triethylamine dimethylaniline cyclohexylamine diphenylamine dimethylformamide dimethylacetamide dimethyl sulfoxide acetone diethylketone diphenylketone (phenyl adj benzoate) benzofuran methylpyrrolidone (gamma adj butyrolactone) toluene xylene mesitylene naphthalene anthracene imidazole oxazole benzimidazole benzoxazole quinoline quinoxaline fulvalene furan pyrrole thiophene (diphenyl adj sulfide)) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:22 |
| L27 | 112 | L26 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:22 |
| L28 | 1 | (TCNQ with (copper Cu)) same (reagent with (diethylamine triethylamine dimethylaniline cyclohexylamine diphenylamine dimethylformamide dimethylacetamide dimethyl sulfoxide acetone diethylketone diphenylketone (phenyl adj benzoate) benzofuran methylpyrrolidone (gamma adj butyrolactone) toluene xylene mesitylene naphthalene anthracene imidazole oxazole benzimidazole benzoxazole quinoline quinoxaline fulvalene furan pyrrole thiophene (diphenyl adj sulfide))) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:23 |

| L30 | 10 | (("5472508") or ("6055927") or ("6165311") or ("6214162") or ("6217658") or ("6835275") or ("20010003271") or ("20030037880") or ("20030145790") or ("20050227382")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2010/03/25 20:29 |
|-----|-----|-----|-----|-----|-----|-----|
| L31 | 10397 | (first adj electrode) same organic same (second electrode) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 20:34 |
| L32 | 297 | (first adj electrode) same organic same (second electrode) same (first adj (insulator insulating dielectric)) same (second adj (insulator insulating dielectric)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2010/03/25 20:35 |
| L33 | 255 | L32 and (@ad<"20070501" @rlad<"20070501") | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:35 |
| L34 | 62 | L33 and memory | US-PGPUB; USPAT; USOCR | OR | ON | 2010/03/25 20:37 |

## EAST Search History (Interference)

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**3/25/2010 9:10:42 PM**
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